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Sayfa Group (Europe) Ltd Unit B1 Research Point Shepshed Leicestershire LE19 1WH UK	SATRA reference:	SPC0349173 2317 3
	Report ID/Issue number:	30024/1
	Your reference:	
	Date samples received:	28/04/2023
	Date(s) work carried out:	02/05/2023 to 02/05/2023
	Date of report:	31/05/2023

TECHNICAL REPORT

Testing of a davit arm described as "ESD.2000.2000.2U using DBS 450 base" in accordance with BS 8610:2017 types A1-7

Conditions of Issue:

This report may be forwarded to other parties provided that it is not changed in any way. It must not be published, for example by including it in advertisements, without the prior, written permission of SATRA.

Results given in this report refer only to the samples submitted for analysis and tested by SATRA. Comments are for guidance only.

A satisfactory test report in no way implies that the product tested is approved by SATRA and no warranty is given as to the performance of the product tested. SATRA shall not be liable for any subsequent loss or damage incurred by the client as a result of information supplied in the report.

Where values for uncertainty of measurement are included within the report then the uncertainty of the corresponding results are based on a standard uncertainty multiplied by a coverage factor $k=2$, which provides a coverage probability of approximately 95%.

When reporting results against a conformance statement (Pass/Fail or the allocation of a class or level) then uncertainty of measurement is taken into account based on a non-binary acceptance which itself is based on the guard band being equal to the expanded uncertainty.

Where the result corrected for uncertainty falls within the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 2.5% and SATRA will in this instance quote a Pass/Fail, class or level.

Where the result corrected for uncertainty falls outside of the tolerance of the conformance statement then the risk of the conformance statement being a false accept or false reject is up to 50%. In this instance SATRA will not provide a Pass/Fail statement or a class or level but will include information in the notes in relation to the result obtained.

Where a report contains SATRA guidelines values then uncertainty of measurement values have been taken into account when determining the guideline values and as such are not considered when determining pass/fail criteria.

Please note that the decision rules applied by SATRA apply to testing that results in a measured value.

Report signed by: Edward Brooks

Department: Safety Product Testing

SATRA Technology Centre Ltd (a subsidiary of SATRA).



Technical Report

WORK REQUESTED

Samples of davit arm described as "ESD.2000.2000.2U using DBS 450 base" were made available to SATRA on the 2nd May 2023, for testing in accordance with BS 8610:2017 types A1-7

CONCLUSIONS

SAMPLE REFERENCE	STANDARD	CLAUSE / PROPERTY	PASS / FAIL
ESD.2000.2000.2U using DBS 450 base	BS 8610:2017	4.1 General requirements	PASS
		4.2 Pre-testing verification and recording requirements	Not fully assessed
		4.3 Materials	Not fully assessed
		4.4 Design and ergonomics	Not fully assessed
		4.5.1.1 Type A1 Restraint – non-load-limiting	PASS
		4.5.1.2 Type A2 Fall arrest – non-load-limiting Type A3 Rope access and work positioning – non-load-limiting Type A5 Rescue – remotely or self-operated – direct attachment – non-load-limiting	PASS
		4.5.1.3 Type A4 Rescue – accompanied descent – non-load-limiting Type A6 Rescue – remotely operated – redirect attachment – non-load-limiting Type A7 Evacuation – non-load-limiting	PASS

TESTING

Testing was carried out in accordance with BS 8610:2017 on the 2nd May 2023 at the premises of Sayfa Group in Shepshed. The testing was witnessed by Edward Brooks from SATRA Technology Centre, and all measurements were taken using SATRA calibrated test equipment

The anchor device is intended as a type A (fixed to structure) device, intended to be installed onto concrete

The anchor device allows up to a maximum of two users to be attached simultaneously

For the purposes of testing, the anchor device was installed onto concrete, with test forces applied in a vertical direction. The product was tested in 2 configurations: 1) with wire ropes attached to a separate anchor point (see figure 1), and 2) with wire ropes being passed through attachments on the base of the anchor and then connected to a separate anchor point (see figure 2)

Samples were tested as received, and were not subject to any pre-conditioning processes other than those stated in individual test clauses

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